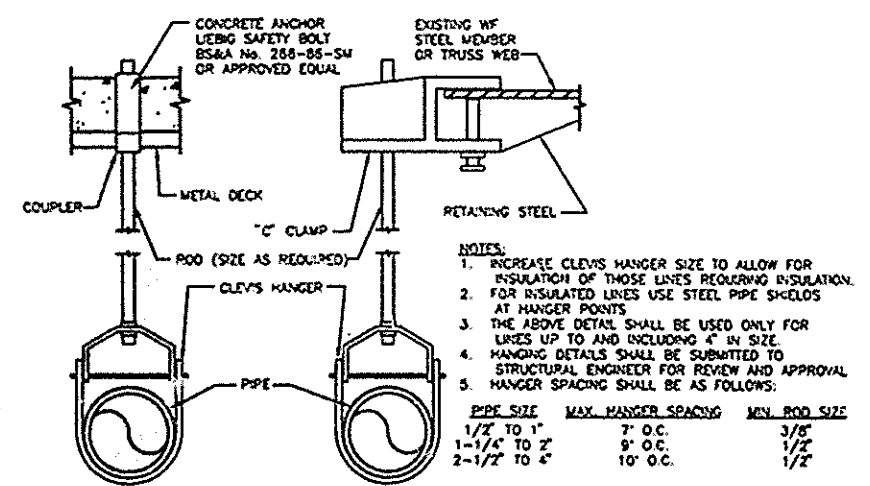
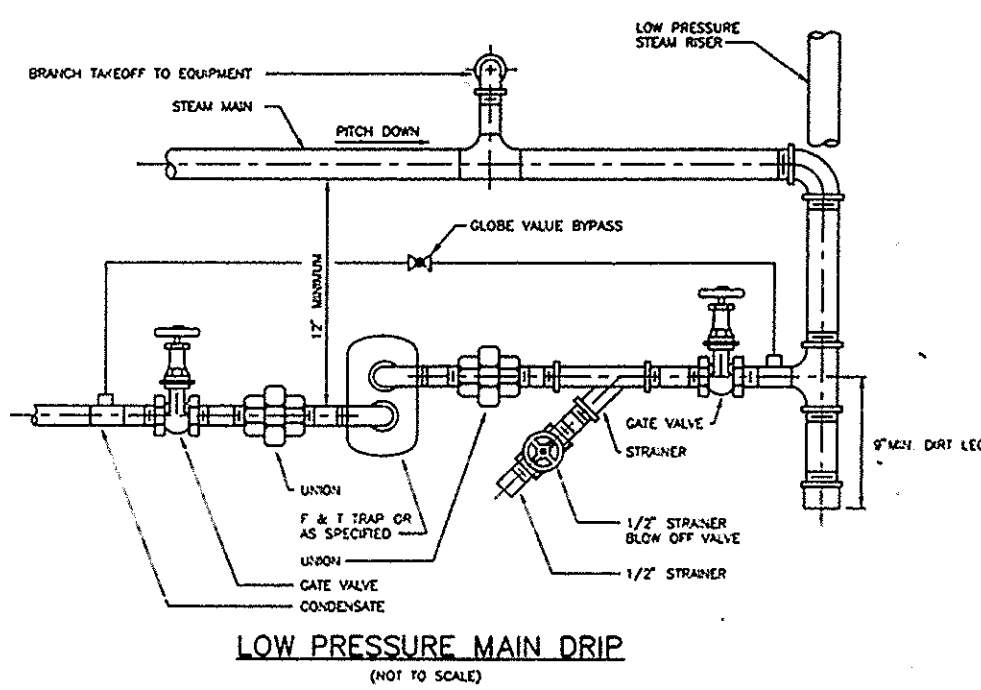


- NOTES:**
1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY.
 2. HINGES ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS.
 3. PROVIDE ACCESS DOORS ON AIR HANDLING UNITS AND DUCT WORK INSTALLED IN EQUIPMENT ROOMS. PROVIDE ACCESS PANELS ON ALL EQUIPMENT AND DUCTWORK INSTALLED ABOVE FINISHED CEILINGS WHERE SPACE LIMITATIONS DO NOT ALLOW HINGED DOORS TO OPEN.
 4. ACCESS DOOR INSTALLED IN THE DUCT EXPOSED TO WEATHER TO BE WEATHERPROOF. ALL HARDWARE SHALL BE STAINLESS STEEL.

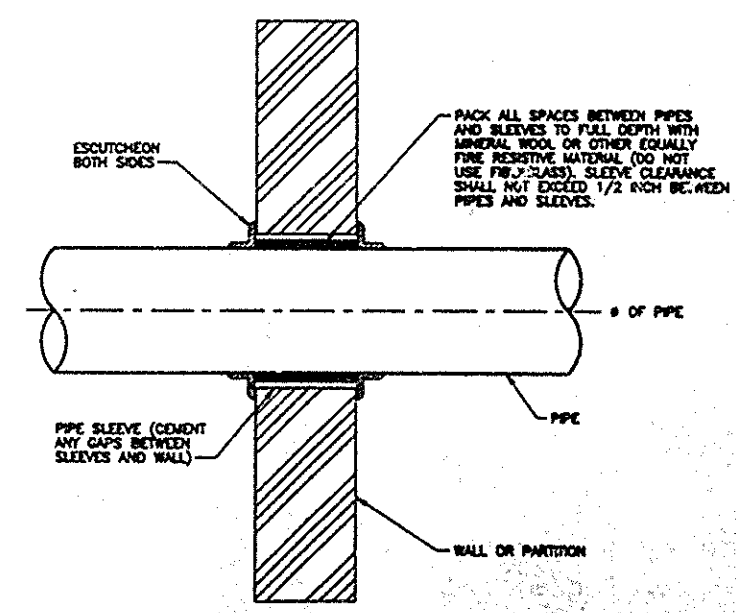
ACCESS DOOR & PANEL DETAILS
(NOT TO SCALE)



TYPICAL HANGER DETAILS

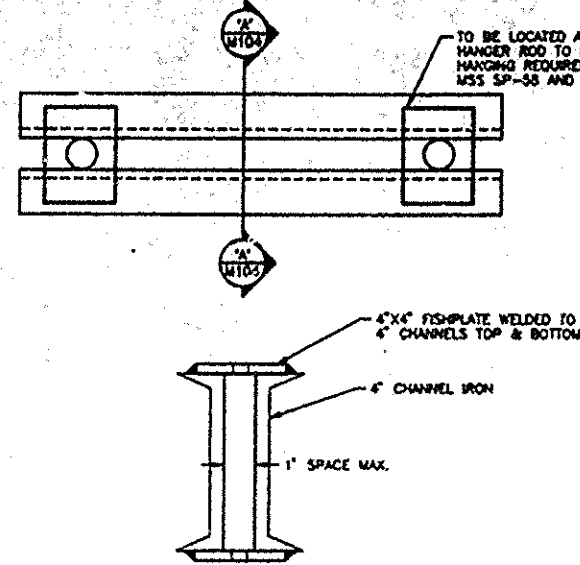


LOW PRESSURE MAIN DRIP
(NOT TO SCALE)

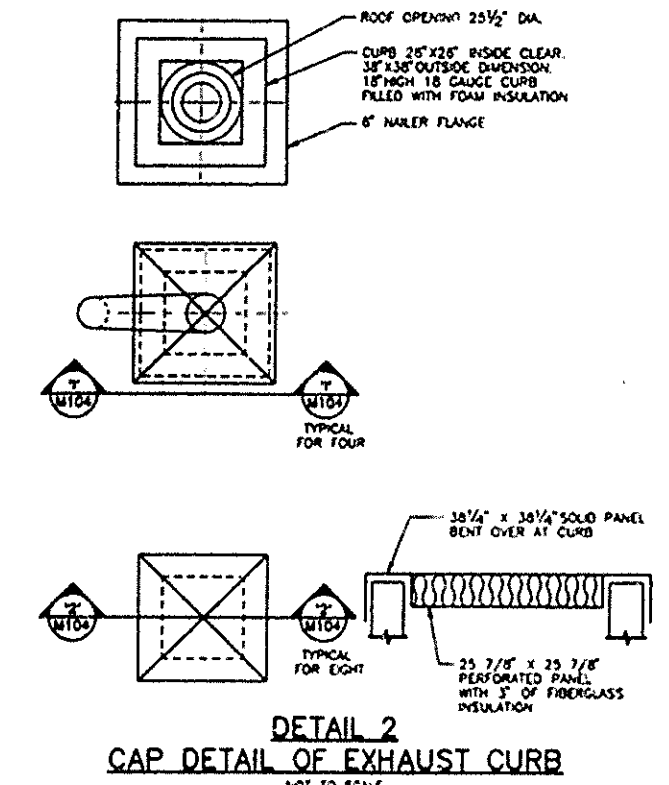


PIPING PIERCING FIRE RATED PARTITIONS & WALLS
(NOT TO SCALE)

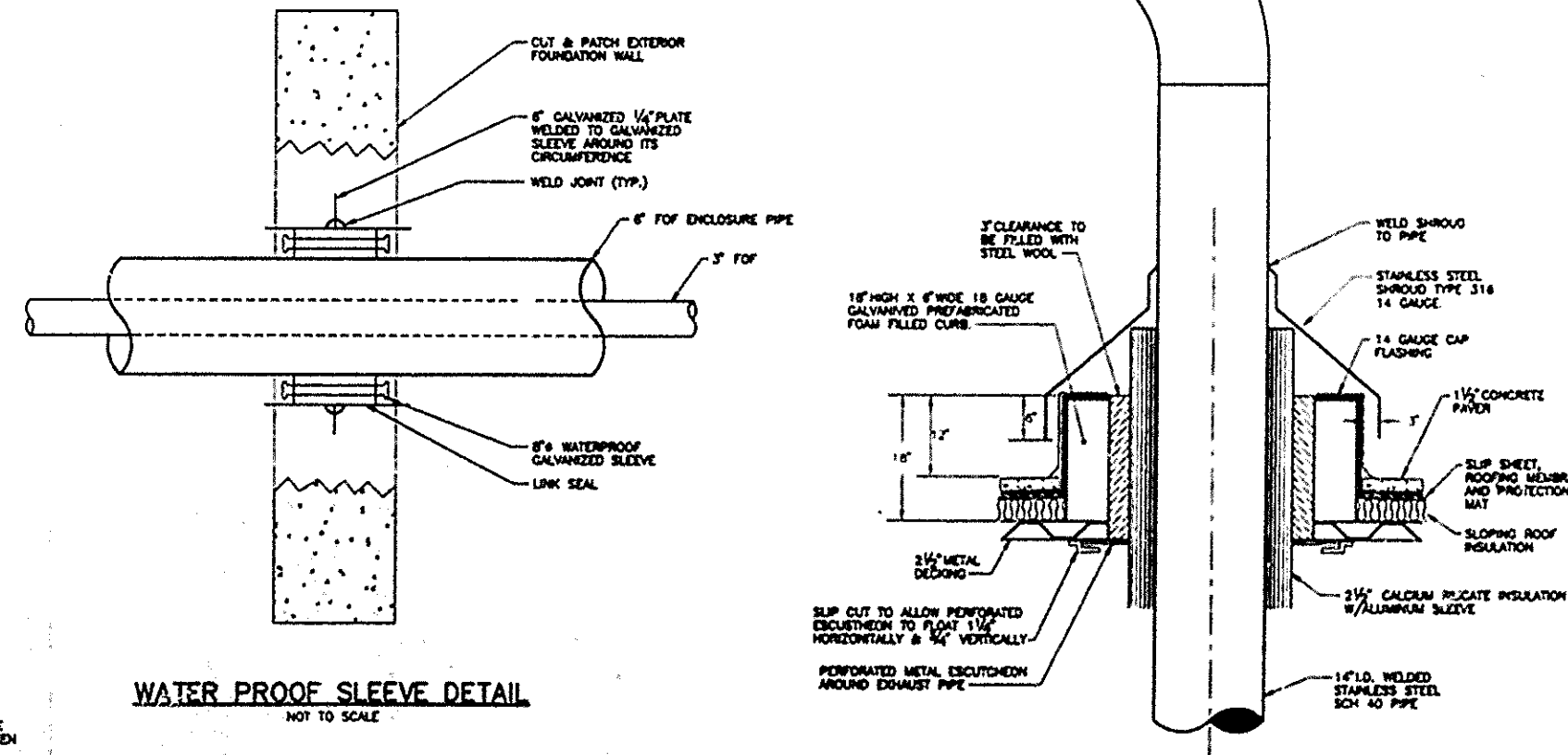
UNIT HEATER SCHEDULE													BASIS OF DESIGN: MODINE			
UNIT NO.	LOCATION	MBH	AIR DATA			WATER DATA				STEAM DATA		MOTOR DATA			REMARKS	
			CFM (H)	TEMP. F	EXT. S.P. (H.W.G.)	GPM	TEMP. F	MAX. P.D. (FT.)	LBS/HR	INLET PRESS. (PSIG)	HP	RPM (H)	NO. OF SPEEDS	VOLT/PH		
UHI-12	GENERATOR BUILDING	108	2010	80	108	-	-	-	-	111	10	1/2	1825	1	208/1PA	-



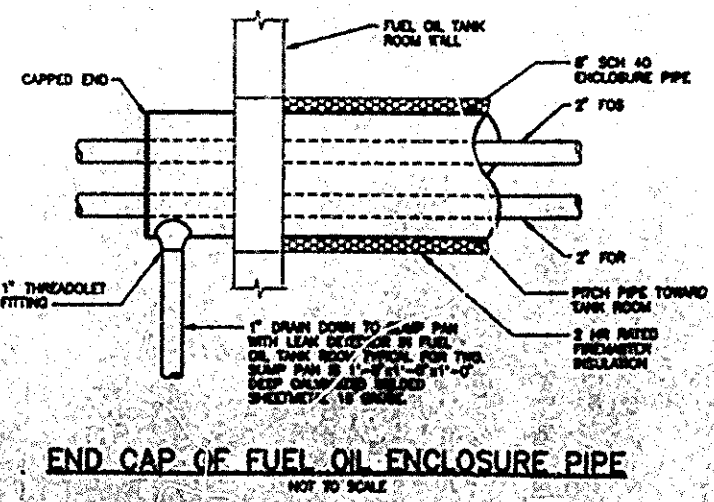
DETAIL OF FABRICATED TRAPEZE HANGER FOR 18\"/>



DETAIL 2
CAP DETAIL OF EXHAUST CURB
(NOT TO SCALE)



DETAIL 1
EMERGENCY GENERATOR EXHAUST PIPE THRU ROOF
(NOT TO SCALE)



END CAP OF FUEL OIL ENCLOSURE PIPE
(NOT TO SCALE)

THE PORT AUTHORITY OF NY & NJ

CONFORMED DRAWING
08/2/88
SIGNED AND SEALED
COPY IS KEPT ON FILE

ORIGINAL SIGNED & SEALED BY
N.Y. P.E. (OR R.A.)

Joseph R. Loring & Associates, Inc.
consulting engineers
One Pennsylvania Plaza
New York, New York 10001-2033
Tel: (212) 363-7400, Fax: (212) 363-7382

IN THE OFFICE OF
DAVID ELLIOT LEBOWITZ
P.E.
REGISTERED PROFESSIONAL ENGINEER
IN THE STATE OF NEW YORK
No. 12546, Exp. 12/31/98

LESLIE E. ROBERTSON ASSOCIATES, R.L.L.P.
CONSULTING ENGINEERS
100 WALL STREET
NEW YORK, NY 10005
TEL: (212) 363-7400 FAX: (212) 363-7382

No. Date Revision Approved
Engineering Department
Design Divisions

The World Trade Center

STANDBY POWER
5 WORLD TRADE CENTER

MECHANICAL
DETAIL SHEET #1

This drawing subject to conditions in contract. All dimensions, tolerances and materials herein are reserved to Port Authority and may not be used without its written consent.

JD MAB
Designed By Drawn By Check By
Date 11/17/97 Scale NONE
Contract Number WTC-645,071 Drawing Number M-04

